MALKIN, Ya.Z.; SMIRNOV, M.P.; SERGIYENKO, V.Ya.; KOZHEVNIKOVA, G.I.; KALNIN, Ye.I.; TARKHOV, N.G.; Prinimali uchastiye; MURSAITOV, Kh.I.; ABDUGAPAROV, Sh.A.; BOVGUTA, I.D.; TKACHEV, S.P.; FILATOV, N.V.; SVISTEL: MIKOV, A.M.; PRACHEV, V.N.; SHEYMAN, V.I.; ANTROPOV, A.D.; SOBOLEV, Ye.D.; POPOVA, N.T.

Industrial testing of a new continuous method of copper removal from crude lead. TSvet. met. 34 no.3:15-22 Mr 161. (MIRA 14:3)

1. Eksperimental nyy tsekh Chimkentskogo swintsevogo zavoda (for Mursuitov, Abdugaparev, Bovguta, Tkachev, Filatov, Svistel nikov, Prachev, Sheyman, Antropov, Sobolev, Popova).

(Lead-Metallurgy) (Copper)

SHEYMANN, Yu.M.

Relationships between magma types and tectonics. Sov.geol. 7 no.2: 3-17 F '64. (MIRA 17:3)

1. Institut fiziki Zemli AN SSSR im. 0.Yu.Shmidta.

SHEYMANN, Yu. M.

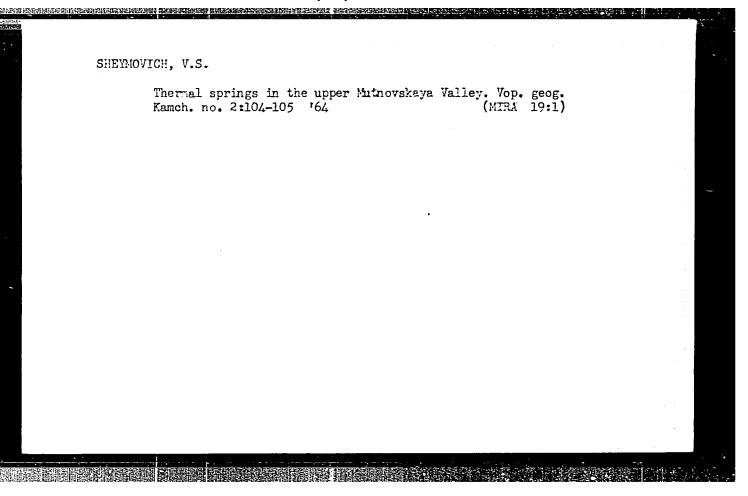
Length of time of rebuilding the continental crust into an oceanic one (based on the data of the northern Atlantic).

Izv. AN SSSR.Ser.geol. 29 no. 1:42-49 Ja 164. (MIRA 17:5)

1. Insitut fiziki Zemli AN SSSR, Moskva.

APRELKOV, S.Ye.; SHEYMOVICH, V.S.

Ancient volcano of southeastern Kamchatka with presentday hydrothermal phenomena. Biul. vulk. sta. no.36:60-65 164. (MIRA 17:9)



en de la companya de

KUZNETS, M.M., professor, otvetstvennyy redaktor; KARYSHEVA, K.A.; professor, redaktor; KORYAKIN, G.Ye., redaktor; KRICHEVSKIY, A.M., professor, redaktor [deceased]; MATUSKOV, S.I., dotsent, redaktor; TSERAIDIS, G.S., kandidat meditsinskikh nauk, starshiy nauchnyy sotrudnik, redaktor; SHEYN, A.A., professor, redaktor; BOGDANOVICH, S.N., redaktor; GITSHTEYN, A.D., tekhnicheskiy redaktor.

[Present-day problems in dermatology; a collection of papers from dermatological and venereological institutes (Ukraine, Kharkov, Kiev, Ivov, and Odessa) of the U.S.S.R. Ministry of Public Health] Sovremennye voprosy dermatologii; sbornik trudov nauchno-issledovatel skikh kozhno-venerologicheskikh institutov (Ukrainskogo, Khar'kovskogo, Kievskogo, L'vovskoggo i Odesskogo) Ministerstva zdravookhraneniia USSR. Red.kollegiia; M.M.Kuznets i dr. Kiev, Gos.med.izd-vo USSR.1957. 201 p. (MLRA 10:6)

 Ukraine. Ministerstvo zdravookhraneniya. (DERMATOLOGY)

USSR / Human and Animal Physiology. Nervous System. Thigher Nervous Activity. Behavior.

Abs Jour: Ref Zhur-Biol., No 22, 1958, 102279.

Author : Sheyn, A. A.

Inst : Komi Pedogogical Institute

Title : On Psychological Concepts and the Singularity of

Psychological Investigation.

Orig Pub: Uch. zap. Komi ped. in-t, 1958, vyp. 6, 185-200.

Abstract: No abstract.

Card 1/1

104

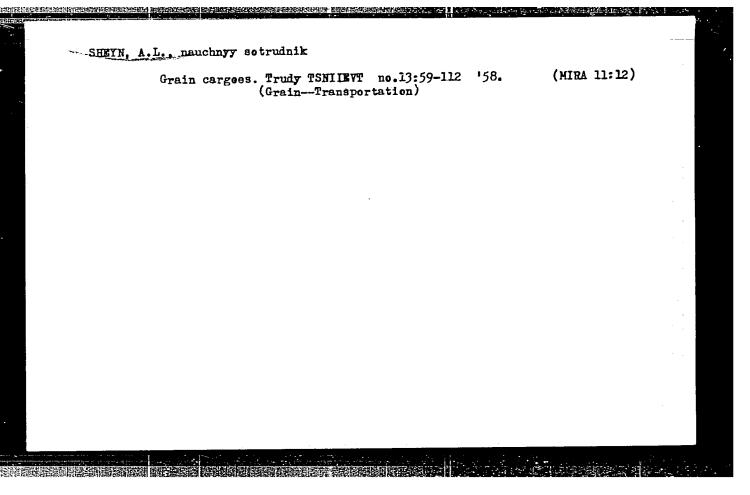
SHEYN, A.I., inchener; GLEYZER, A.I., inzhener.

Further development of river transportation of grain. Rech. transp.

16 no.1:20-24 Ja '57.

(Grain—Transportation)

(Inland water transportation)



SHEYN, A., nauchnyy sotrudnik

Efficient systems for transporting grain to the Transcaucasian Republics. Mor. flot 18 no.4:9-10 Ap '58. (MIRA 12:12)

1.TSentral'nyy nauchno-issledovatel'skiy institut ekonomiki i ekspluatatsii vodnogo transporta.
(Grain--Transportation)

DROBYAZZO, D.P.; PERMINOV, T.A.; SHEYN, A.N.; BELOVA, K.D.; GOLIKOVA, A.I.

Pea-hydrolysate culture medium in the production of tuberculin.

Trudy Gos.nauch.-kont.inst.vet.prep. 4:98-100 '53. (MLRA 7:10)

1. Kurskaya biofabrika.

(Tuberculin) (Bacteriology--Gulture and culture media)

CIA-RDP86-00513R001549330001-5 "APPROVED FOR RELEASE: 08/09/2001

USSR/Microbiology - General Microbiology.

F-1

: Ref Zhur - Biol., No 15, 1958, 67057 Abs Jour

: Govorov, A.M., Ostashko, F.I., Shein, A.N., Belova, K.D. Author

Inst

: A Synthetic Culture Medium for Growing Tubercular Cultu-Title

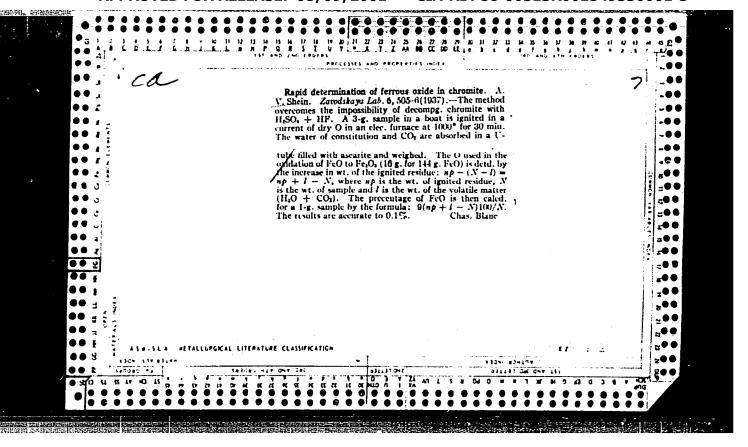
res and for Preparing Tuberculin.

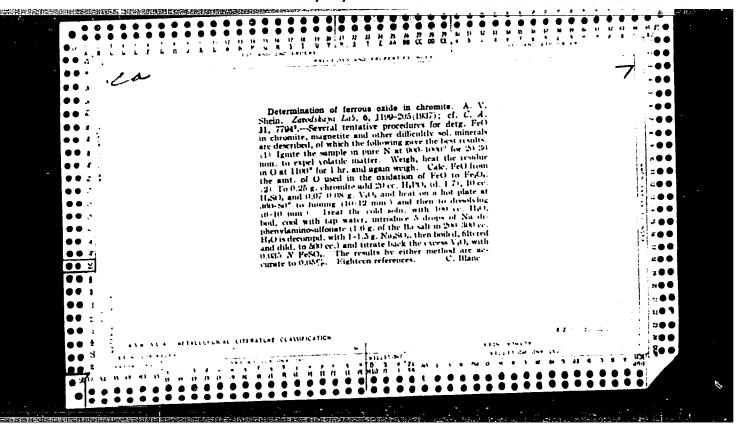
Orig Pub : Inform. byul. biol. prom-sti, 1957, No 2, 13-14.

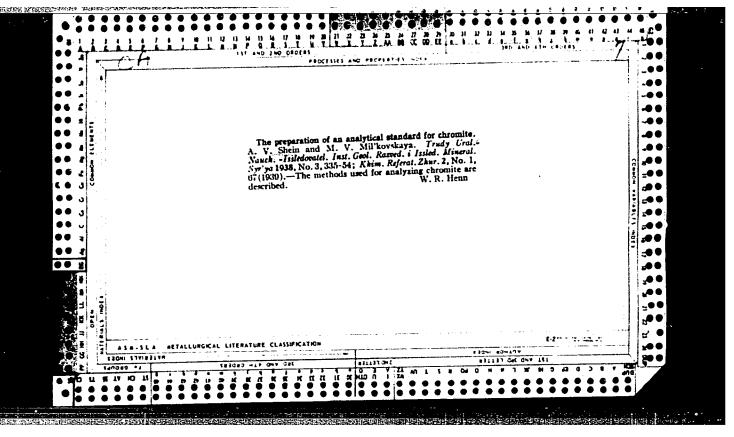
Abstract : No abstract.

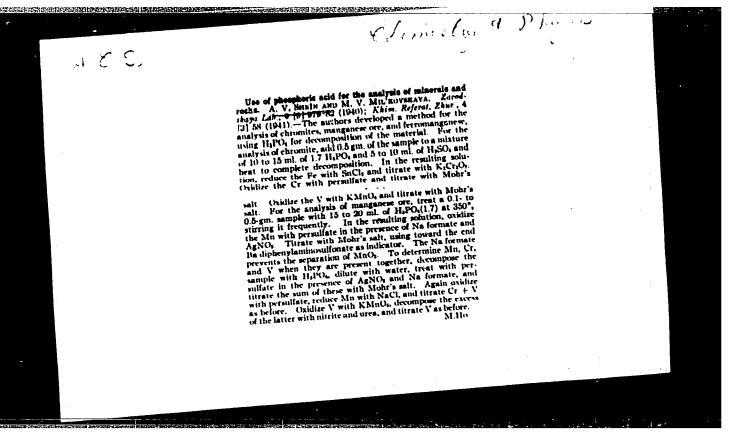
Card 1/1

- 3 -

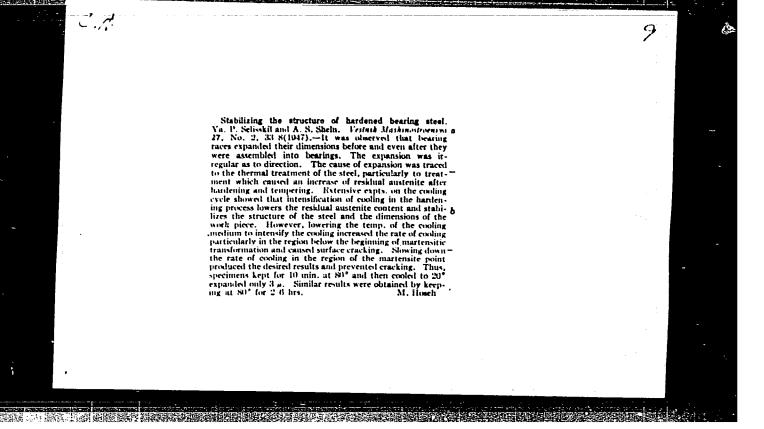




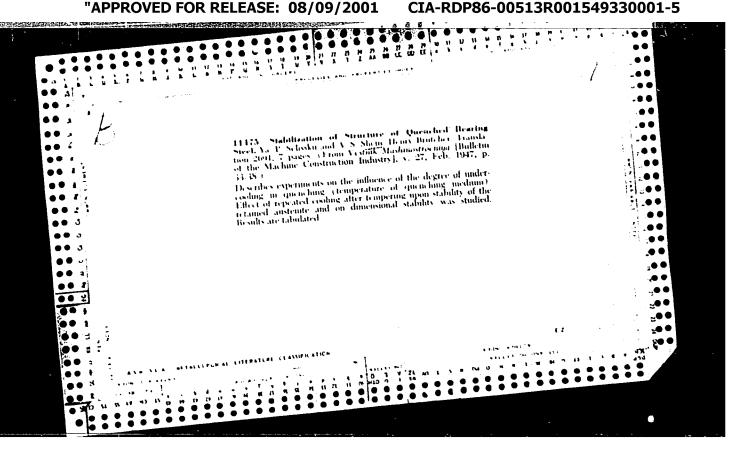




بهررات



CIA-RDP86-00513R001549330001-5 "APPROVED FOR RELEASE: 08/09/2001



CHEYN, A. S.

Camb Tech Doi

Dissertation: "Influence of the Initial State on the Processes of Phase Transformations in Iron and Steel."

24/4/50

Central Sci Res Inst of Technology and Machine Building - "TSNIITMASH."

\$0 Vecheryaya Moskva Sum 71

CIA-RDP86-00513R001549330001-5 "APPROVED FOR RELEASE: 08/09/2001

SHEYM Hit.

TREASURE ISLAND BIBLIOGRAPHICAL REPORT PHASE I

AID 348 - I

Call No.: TN672.V8

BOOK

Author: SHEYN, A. S. and LEBEDEV, T. A.

STRUCTURE AND RESILIENCE OF STEEL TEMPERED AT THE CRITICAL Full Title:

TEMPERATURE INTERVAL

Transliterated Title: Struktura i udarnaya vyazkost' stali, zakalennoy

iz kriticheskogo intervala

Publishing Data

Date: 1950

All-Union Scientific Engineering and Technical Originating Agency:

Society of Machine Builders. Urals Branch

Publishing House:

State Scientific and Technical Publishing House of Machine Building Literature ("Mashgiz")

No. pp.: 12

No. of copies: 3,000

Text Data

This is an article from the book: VSESOYUZNOYE NAUCHNOYE INZHENERNO-TEKHNICHESKOYE OBSHCHESTVO MASHINOSTROITELEY. URAL'SKOYE OTDELENIYE, THERMAL TREATMENT OF METALS - Symposium of Conference (Termicheskaya

obrabotka metallov, materialy konferentsii) (p. 166-177), see AID 223-II

The author describes the formation of austenite with critical interval of temperatures for pre-and post-eutectoid steels of specific composition (types 30, 40, 15Kh and ShKhl5). The effect of the initial state on the process of austenite for-

1/2

SHEYN, A. S.

Metallography

Examination of metallurgical defects by magnetic and metallographic methods. Podshipnik no. 2, 1952.

9. MONTHLY LIST OF RUSSIAN ACCESSIONS, Library of Congress, April 1952. Uncl.

LARANTOOV, I. H.; SHEYN, A. C.

Bearings (Eachinery)

Effect of quality of steel on the functioning of bearings. Podshipnik, No. 4, 1952.

9. MONTHLY LIST OF RUSSIAN ACCESSIONS, Library of Congress, October 1952. Uncl.

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|---|---|
| GRIEDING AND ESTERING | · |
| Distribution of micro-hardness in the thin surface layer of polished parts. | |
| Porshipnik no. 6, 1952. | |
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| 9. MONTHLY LIST OF RUSSIAN ACCESSIONS, Library of Congress, October 1952. Uncl. | |
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- 1. SHEYN, A. S., GORSHKOVA, V. F.
- 2. USSR (600)
- 4. Steel
- 7. Resistance of contact fatigue of ball-bearing steel under various conditions of friction.
 Podshipnik No. 11, 1952

9. Monthly Lists of Russian Accessions, Library of Congress, March 1953, Unclassified.

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- 2. USSR (600)
- 4. Deformations (Mechanics)
- 7. Effect of original structure and of hardening conditions on changes in the structure and the linear dimensions of ShKh 15 steel, Podshipnik no. 4, 1953.

NEWS CLESSON DAY AND SERVICE OF THE PROPERTY O

9. Monthly List of Russian Accessions, Library of Congress, APRIL 1953, Uncl.

JHTEINBERG, B. I.; GALYBIN, N. A.; SHEYN, A. S.; ZHELUDOV, I. S., Engs.

Peat Industry

Measuring the pressure in operating peat briquette presses. Torf. prom. 30, No. 4, 1953.

SO: Monthly List of Russian Accessions, Library of Congress, ____ June ____ 1953, Uncl.

Sheyn, A.S., Candidate of Technical Sciences. 129-12-9/11

Influence of the orientation of the fibres on the contact TITLE:

fatigue strength of hardened steel.

(Vliyaniye oriyentirovki volokon na kontaktnuyu

ustalostnuyu prochnost' zakalennoy stali)

PERIODICAL: Metallovedeniye i Obrabotka Metallov, 1957, No.12, pp. 61-66 (USSR)

ABSTRACT: In investigating the mechanical properties of steel usually only one longitudinal direction and one transverse direction relative to the fibres are distinguished. However, in the case of specimens with a rectangular cross section, there are really three possible orientations (one longitudinal and two transverse) of the main stresses relative to the direction of the fibres, as can be seen from the sketches in Fig.1, p.61. Specimens of the ball bearing steel **W** X15 of 4 x 20 x 60 mm were subjected to bending tests with three different orientations of the fibres relative to the main surfaces. The steel had a considerable carbide layer and was subjected to hardening from 850°C and tempering from 150°C. The microstructure of the steel in the longitudinal direction is illustrated Card 1/3 by Fig. 2, p.62, and the results, entered in Table 1,p.62,

Influence of the orientation of the fibres on the contact fatigue strength of hardened steel.

indicate that the ratio of the bending strength in the three different directions was 1:0.72:0.56. great practical importance since in a number of cases it is possible to use that transverse orientation which is more favourable from the point of view of stress distribution, this applies particularly to ball bearing To determine the influence of the fibre orientation on the life, the fatigue strength was studied of hardened steel WX15 on two groups of specimens cut from a rod of 90 mm dia. in the direction and transverse to the direction of rolling. The contact fatigue strength was tested on machines of the system of S.V. Pinegin; the active surface of the specimen was in the form of a spheroid and rolled between two rings under load until fatigue chipping occurred on the contact surface. The results graphed in Fig.4, p.64, indicate that one group of the specimens (group a, Fig.3) has a five times higher life than the other group (group b, Fig.3). The obtained results were utilised for studying the possibilities of increasing the life of heavily loaded ball bearings,

Card 2/3 particularly the influence of the macrostructure, and for

SOV/123-59-22-91450

Translation from: Referativnyy zhurnal. Mashinostroyeniye, 1959, Nr 22, p 15 (USSR)

1120 252000

AUTHOR:

Sheyn, A.S., Tsareva, A.A., Fedotova, V.D., Pavlova, Z.V.

TITLE:

Steel Grades for Raceways and Rolling Bodies of High-Temperature

Bearings \ Their Properties and Heat Treatment

PERIODICAL:

Tekhnol. podshipnikostroyeniya, 1958, Nr 17, pp 68 - 88

ABSTRACT:

In connection with increasing speeds in machine construction, antrifriction bearings, formerly operating at temperatures of 100 - 120°C, have to operate now at higher temperatures. The temperature range of application of ball bearing steel grades increased up to 300 - 400°C and higher. In this connection the possibility was studied to apply the standard high-speed steel grades R9, R18, RK10, EI-347, and EI-1611 for the manufacture of bearing parts. Based on experimental data obtained, the EI-347 grade steel was selected from the number of abovementioned steel grades, Investigation results are given of the mentioned steel grade, considering its application in ball bearing manufacture. The fundamental criterion in the evaluation of its properties was hot hardness. A deficiency of the EI-347 grade steel is its considerable

Card 1/2

SOV/123-59-22-91450

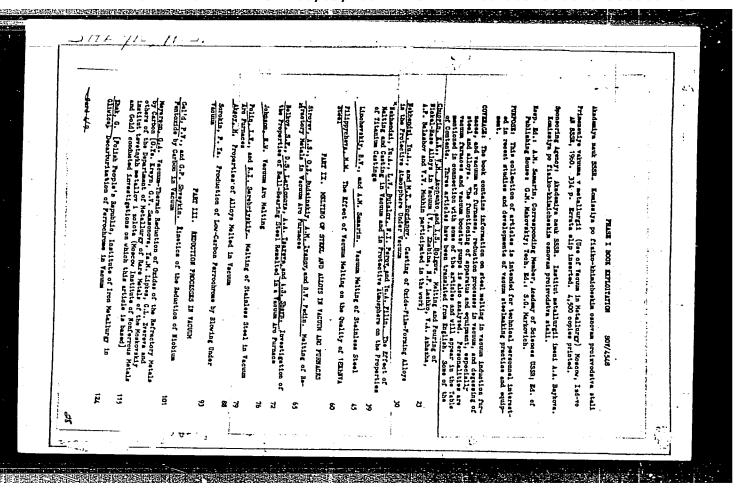
Steel Grades for Raceways and Rolling Bodies of High-Temperature Bearings, Their Properties and Heat Treatment

carbide heterogeneity (although to a lesser degree than in the steel grades R9 and R18) which appears in large-size cross-sections in the form of a lattice, weakening the structural strength of the bearing parts. In order to obtain a more homogeneous, technologically suitable and cheaper steel, grades with a W-content of 1.3 - 7%, and with an increased (up to 1%) Si-content were investigated. Based on microanalysis and temperature/hardness functions, the compositions of the new ball bearing steel grades V4Kh4MF and V7Kh4F with a 4.5% and 7% W-content and suitable for an operating temperature of 400°C were found. The hot hardness of these steel grades is nearly equal to the hardness of higher alloyed high-speed steels. The new steel grades combine a low degree of alloying with a minimum carbide heterogeneity and a high resistance to heat and wear.

B.A.M.

X

Card 2/2



S/137/62/000/012/041/085 A006/A101

AUTHORS:

Sheyn, A. S., Tsareva, A. A., Pedotova, V. D.

TITLE:

Low-alloy heat-resistant steels for antifriction bearings and

instruments

PERIODICAL:

Referativnyy zhurnal, Metallurgiya, no. 12, 1962, 68,

abstract 121403 ("Tr. Vses. n.-i. konstrukt, tekhnol. in-ta

podshipnik, prom-sti", 1960, no. 2, (22) 102 - 120)

TEXT: The authors investigated the structure and the most important properties of new low-alloy heat resistant steels of type B4 X4MΦ (V4K44MF) 0.65% C. They determined the effect of the quenching and tempering temperature, the number of tempering processes upon the hardness of type 38944 (EI944) and 38945 (EI945) steels. The authors studied furthermore the changes in size during heat treatment; stabilization of the structure and size, hot hardness and creep resistance; strength properties during tensile tests, torsion and impact bending; and the magnitude of contact endurance of (EI944) and (V7Kh4F) (EI945) steels, containing 0.75 and ... (?) [Abstracter's remark: omission]. The investigation

Card 1/2

Low-alloy heat-resistant steels for...

3/137/62/000/012/041/085 A006/A101

methods are described. It is shown that low-alloy type EI944 steel has a lesser carbide heterogeneity, inparticular in large sections, and better general mechanical properties, than high-speed steel, and a relatively high heat resistance. The steel is recommended for the manufacture of hearings intended to operate at temperatures up to $400 - 450\,^{\circ}\text{C}$, and for dies.

G. Rymashevskiy

[Abstracter's note: Complete translation]

Card 2/2

S/276/63/000/003/002/006 A004/A127

AUTHORS:

Sheyn, A. S., Tsareva, A. A., Kabanov, M. F., Sinitsyna,

T. V

TITLE:

Stainless steels for bearings intended for operation at

elevated temperatures

PERIODICAL:

Referativnyy zhurnal, Tekhnologiya mashinostroyeniya, no. 3, 1963, 58, abstract 3B248 ("Tr. Vses. n.-i. konstrukt.-tekh-nol. in-ta podshipnik, prom-sti", 1960, no. 4, (24), 3 - 14)

TEXT: Hardness tests were carried out after tempering at temperatures in the range of from 120 to 550°C. Heat tests were performed in the temperature range of 20 - 500°C, testing the notch toughness, hardness and scale resistance at long-time holding. Dimensional changes were tested at maximum operating temperatures, while the corrosion resistance was tested in aggressive media (5% HNO₃ solution, alternative dipping; 5% NaCl solution, alternative dipping). As a result of testing eight alloys it was found that, for the manufacture of bearings operating at temperatures of up to 400°C, it is expedient of using the 18 (Kh18) swel

Card 1/2

Stainless steels for bearings

S/276/63/000/003/002/006 A004/A127

The following heat treatment is recommended: Preheating up to 850°C final heating (in a salt bath) up to 1,150°C, 20 sec holding per 1 mm of cross section; heating in an electric furnace with air atmosphere up to 1,070 - 1,100°C, 1 - 1.5 minutes holding per 1 mm of cross section, cold treatment (slow cooling of the components down to -70 - 80°C, holding at -70°C for 30 - 60 minutes, heating up to the shop temperature in the air), one single tempering at 400°C for 5 hours. For the manufacture of bearing parts operating at temperatures from -200 to +100°C, a steel is recommended which, in comparison with the Kh18 grade steel, has a higher C-content. After cold treatment and tempering at 120°C, a hardness of HRC 63 - 64 could be obtained. For manufacturing heat-resistant bearings, operating in an oxidizing atmosphere and in media containing NaCl, 3M928 (EI928) steel can be used. There are 15 figures.

T. Kislyakova

[Abstracter's note: Complete translation]

Card 2/2

BAYKOV, S.P., kand. tekhn. nauk; EELENKO, I.S., kand. tekhn. nauk;

BELKOV, S.F., inzh.; BELYANCHIKOV, M.P., inzh.; BERNSHTEYN,

I.L., inzh.; BOGORODITSKIY, D.D., inzh.; BOLONOVA, Ye.V.,

kand. tekhn. nauk; BROZGOL', I.M., kand. tekhn.nauk;

VLADIMIROV, V.B., inzh.; VOLKOV, P.D., kand. tekhn. nauk;

GERASIMOVA, N.N., inzh.; ZHUKHOVITSKIY, A.F., inzh.;

KABANOV, M.F., inzh.; KANEVTSOV, V.M., kand. tekhn. nauk;

KOLOTENKOV, I.V., inzh.; KONDRAT'YEV, I.M., inzh.;

KUZNETSOV, I.P., kand. tekhn. nauk; L'VOV, D.S., kand.

tekhn. nauk; IYSENKO, I.Ya., kand. tekhn. nauk; MAKAROV,

L.M., inzh.; CLEYNIK, N.D., inzh.; RABINER, Ye.G., inzh.;

ROZHDESTVENSKIY, Yu.L., kand. tekhn. nauk; SAKHON'KO, I.M.,

kand. tekhn. nauk; SIDOROV, P.N., inzh.; SPITSYN, N.A., prof.,

doktor tekhn. nauk; SPRISHEVSKIY, A.I., kand. tekhn. nauk;

CHIRIKOV, V.T., kand. tekhn.nauk; SHEYE, A.S., kand. tekhn.

nauk; NIBERG, N.Ya., nauchnyy red.; BLAGOSKLONOVA, N.Yu., inzh.,

red. izd-va; SOKOLOVA, T.F., tekhn. red.

[Antifriction bearings; manual] Podshipniki kacheniia; spravochnoe posobie. Moskva, Gos. nauchno-tekhn. izd-vo mashino-stroit. lit-ry, 1961. 828 p. (MIRA 15:2) (Bearings (Machinery))

VINOGRAD, M.I., kand.tekhn.nauk; GONCHARENKO, M.S., inzh. [deceased];
DORONIN, V.M., inzh.; TOPILIN, V.V., inzh.; CHERNINA, B.G., inzh.;
Prinimali uchastiye: SHEYN, A.S., kand.tekhn.nauk; GORSKIY, V.N.,
inzh.; ARKHIPOVA, V.P., inzh.; LAGUNTSOVA, Ye.V., inzh.;
KISELEVA, S.A., inzh; RYBAKOVA, V. Ya., inzh.; BYSTRIKOVA, I.N.,
tekhnik; BURDYUCHKINA, Ye.P., tekhnik; SOLODIKHIN, I.P., tekhnik.

Improving the process of making EI347 steel for bearings. Stal' 21 no.6:543-546 Je '61. (MIRA 14:5)

1. TSentral'nyy nauchno-issledovatel'skiy institut chernoy metallurgii i zavod "Elektrostal'."
(Bearing metals)

RAUZIN, Ya.R., doktor tekhn. nauk; Prinimal uchastiye SPEKTOR, A.G., kand. tekhn.nauk; SHEYN. A.S., kand. tekhn.nauk, retsenzent; KUNIN, P.A., inzh., red.; MODEL', B.I., tekhn. red.

[Heat treatment of chromium steel; for bearings and tools] Termicheskaia obrabotka khromistoi stali; dlia podshipnikov i instrumentov. Izd.2., perer. i dop. Moskva, Mashgiz, 1963. 383 p. (MIRA 16:8)

(Chromium steel-Heat treatment)

SOURC E: Ref. zh. Mashinostr. mat., konstr. i raschet detal. mashin. Otd. vy*p. Abs. 6 48.155

JTHOR: Sheyn, A. S., Tsareva, A. A., Fedotova, V. D.

TITLE: A study of pyroceramics \9

CITED SOURCE: Tr. Vses. n.-i. konstrukt, tekhnol, in-ta podshipnik, prom-sti, in. 1963, 57-64

PIC TAGS: ball thrust bearing, pyroceramic bearing, metallic alloy bearing, pyroceramic ball test, pyroceramic ball porosity, pyroceramic ball life

TRANSLATION: The study concerned pyroceramic materials for races and rollers of bearings working in aggressive environments and at high temperatures. Tests were made on disk-shaped samples(diameter-26 mm, height 3 mm) burnished for 1 hour on a 4-ball machine at temperatures of 20 to 900C (load 30 kg, molybdenum disulfide lubrication, largon atmosphere). Results of the study of various pyroceramics, differing in composition, neat treatment and ratio of vitreous to crystalline phases, established that products of group Zh exhibit the best high-temperature strength at loads corresponding to apparent Card 1/2

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L 20121-65

ACCESSION NR: AR4044544

contact stress & max of 23,000 kg/cm². Best workability in roiling is attained with the pair "metallic high strength pyroceramic or metalloceramic alloy". It is recommended that bearings be manufactured with races of metallic alloys and balls of pyroceramic. Tests on experimental lots of ball thrust bearings of type 8305, with races of heat resistant nickel alloy E1607 and pyroceramic balls, were carried out at 500 and 700C, under loads corresponding to apparent stresses & max of 12,000 kg·cm², 1000 rpm, in argon with graphite powder lubrication and in air without lubrication. Results demonstrated that the low contact life of the balls (from 50 min. to 5 hrs.) is due to substandard quality of the material (i.e. pores, cavities) and its high brittleness. A need is noted for developing the technology of manufacture of balls from non-porous and homogeneous pyroceramics.

SUB CODE: MT

ENCL: 00

Card

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L 6709-65 ENT (m)/EFF (c)/EFR/T/EFA(bb)-2/ENP(q)/ENP(b) Fr-4/Pad/Ps-4 ASD(m)-3

ACCESSION NR: AR4044230 S/0137/64/000/006/1073/1073

SOURCE: Ref. zh. Metallurgiya, Abs. 61417

AUTHOR: Sheyn, A. S.

TITLE: Heat-resistant, heat-resisting and rust-resistant alloys for the parts of anti-friction bearings

CITED SOURCE: Tr. Vses. n.-i. konstrukt.-tekhnol. in-ta podshipnik. promsti, no. 3(35), 1963, 60-69

TOPIC TAGS: alloy, antifriction bearing, heat resistance, rust resistance, heat resistant alloy

TRANSLATION: A survey of alloys for parts of anti-friction bearings working at different temperatures. Steel ShKh-15, Valloyed with different elements, works up to 200°-300°. For temperatures of 250-500° there are created steels of the type used for highspeed cutting: tungsten, molybdenum, tungsten-molybdenum; for temperatures of 250-500° there are created steels of the type used

Card 1/3

L 6709-65 ACCESSION NR: AR4044230

atures of 650°-700° Co-alloys are used. On a base of steel 9Kh18 for anti-friction rings and elements for operation to 300-540° there have been created heatresistant steels with Mo, Co, Ni, Be, Ti, W and V. For separators of heatresistant and heat-resisting bearings are used bronze to 300° and Monels 18 (Ni-Cu-Fe-alloys) to 500°; for anti-friction rings and elements for operation from -60° to +500°, steel El347Sh is used. The magnitude of the contact strength of heat-resistant steels (R18, V7, R9, E1347, and E1161) increases with an increase in the cleanness of the steels and a lowering of the number Notes the influence of the location of metal fibers with of defects in them. respect to the working surface on the contact strength of steels. Gives data on creep strength and on the hardness of various heat-resistant steels. There are developed, for use during large shock and vibration loads, low-alloy and heatresistant highly durable steels (ak 15-20 kgm/cm² at a test temperature of 200-400°), and also heat-resisting anti-friction bearings for use at temperatures to 800-1000°. The new heat-resisting alloys at 900 and 980° have prolonged load capacity, approximately identical with that of balls made from steel ShKhl5 at 200-220°, and static loads corresponding to identical initial contact stresses (/max ~80,000 kg/cm2). The deformation of balls made from the new heat-Card 2/3 .

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SHEYN, G., elektromekhanik (Kherson)

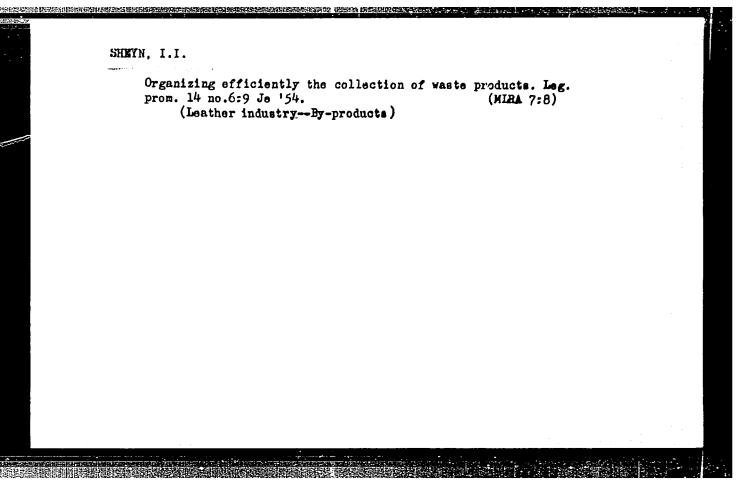
Modernization of the electric equipment of "Gants" 5-ton gantry cranes. Mor.flot 17 no.2:24-25 F '57. (Mina 10:3)

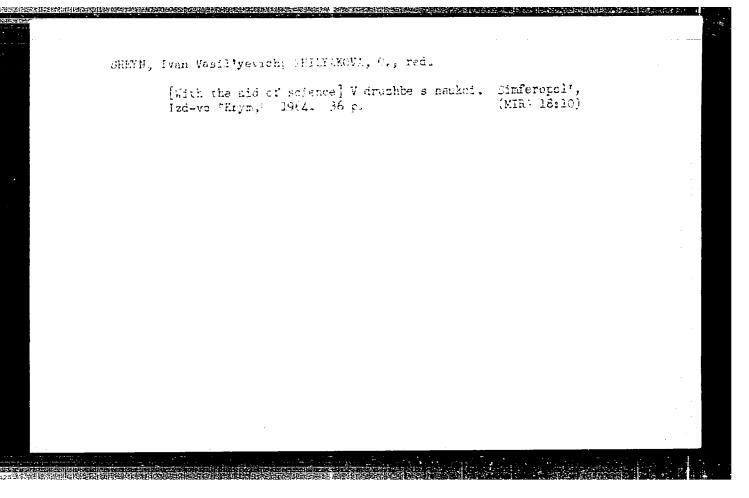
(Granes, derricks, etc.)

TROYANOV, I.A.; HEKHER,R.M.; KRAYUKHINA, N.N.; SHEYN, I.A.; MYSHKINA, N.P.

Sorption removal of organic substances from waste waters. Khim.
nauka i prom. 2 no.5:672 '57. (MIRA 10:12)

1.Rubezhanskiy filial nauchno-issledovatel'skogo instituta
poluproduktov i krasiteley.
(Sewage--Purification)
(Sorption)





Notes on Berdieva's and Frank's reactions for determining bilirubin in the urine. Lab. delo 8 no.3:26 Mr '62. (MIRA 15:5)

1. Saratovskaya gorodskaya klinicheskaya bol'nitsa No.2. (BILIRUBIN) (URINE--ANALYSIS AND PATHOLOGY)

OVCHARENKO, Valentins Semenovns; MILOV, Aleksendr Pavlovich; SHEYN,
Mikhail Kuzlmich; NOVOZHILOVA, Pobeds Semenovns; OSIPOV,
M.I., red.; KOTLYAR, B.S., red.; DORODNOVA, L.A., tekhn.red.

[Training construction workers] Podgotovks rabochikh-stroitelei.
Moskva, Vses.uchebno-pedagog.izd-vo Proftekhizdat, 1960. 34 p.

(MIRA 13:11)

(Building trades--Study and teaching)

SHEYN, Nikolay Vasil'yevich; UL'YANOVSKIY, R., otv. red.; FILIPFOVA, E., red. 1zd-va; IEEEDEV, A., tokhn. red.

[State finances of India] Gosudarstvennye finansy Indii. Moskva, Gosfinizdat, 1961. 209 p. (MIRA 15:2)

(India—Finance)

SHEYN, P.A.

Material lno-Tekhnicheskoye
Snabzhenlye Tekstilinoy PronyShlennosti, Material Technical
Supply of the Textile industry, Moskva, Gizlegprom. 19h5
13h p. illus.

"Litature": p. 136

At head of title Vessoyuznyy
Uchehnyy Kombinat Markomtekstilya
SSSR.

SHEYN, PAVEL ABRAMOVICH

Material'no-tekhnicheskoe snabzhenie mashinostroitel'nykh zavodov. Moskva, Mashgiz, 1947. 219 p. illus.

Materials and engineering supplies for machine-building plants.

DLC: TS155.S444

SO: Manufacturing and Mechanical Engineering in the Soviet Union, Library of Congress, 1953.

SHEYN, P.A.; KURSKIY, A., redaktor; POLKGORNOVA, V., redaktor; PIOTROVICH, M.,

[Supplying a socialist industrial enterprise with technical materials]
Material'no-tekhnicheskoe snabzhenie sotsialisticheskogo promyshlennogo predpriiatiia. Moskva, Gos. izd-vo polit. lit-ry, 1954. 359 p.

(MIRA 8:3)

SHEYN, Pavel Abramovich; FALALEYEVA, T.F., redaktor; GUBIN, M.I., tekhnicheskiy redaktor.

[Organization of material and equipment supply in socialist industrial enterprises] Organizatsiia material'no-tekhnicheskogo snabzheniia sotsialisticheskogo promyshlennogo predpriiatiia. Moskva, Izd-vo "Znanie," 1957. 46 p. (Vsesoiuznoe obshchestvo po rasprostraneniiu politicheskikh i nauchnykh znanii. Ser.3, no.20) (MIRA 10:11) (Industrial management) (Materials)

SHEYN, Pavel Abramovich; LYUBOVICH, Yu., red.; CHEKHUTOVA, V., red.; THOYANOVSKAYA, N., tekhn.red.

[The supply of materials and equipment for socialist industrial enterprises] Material'no-tekhnicheskoe snabzhenie sotsialisti-cheskogo promyshlennogo predpriiatiia. Izd.2., perer. Moskva. Gos.izd-vo polit.lit-ry, 1959. 365 p. (MIRA 12:11) (Industrial procurement)

SHEYN, Pavel Abramovich; GORELIK, L.V., otv. red.; SIDOROVA, T.S., red.; SLUTSKIN, A.A., tekhn. red.

[Organizing and planning the supply of materials and equipment in the communications industry] Organizatsiia i planirovanie material, no-tekhnicheskogo snabzheniia v khoziaistve sviazi. Moskva, Gos. izd-vo lit-ry po voprosam sviazi i radio, 1961. 27 p. (MIRA 14:11) (Telecommunication—Equipment and supplies)

SHEYN, Pavel Abramovich; KOMAROVA, T.F., red.; RAKITIN, I.T., tekhn.red.

[Potentials for saving material resources] Rezervy ekonomii material nykh resursov. Moskva, Izd-vo "Znanie," 1961. 44 p. (Vsesoiuznoe obshchestvo po rasprostraneniiu politicheskikh i nauchnykh znanii. Ser.3, Ekonomika, no.13)

(MIRA 14:6)

(Efficiency, Industrial)

VISHNEVSKIY, A.A., doktor ekonom. nauk, prof.; PODGORDDETSKIY, I.A., prof.; SERGEYCHUK, K.Ya., kand. tekhn. nauk; SOLOVEYCHIK, L.M., kand. ekonom.nauk; TOCHIL'NIKOV, G.M., kand. ekonom. nauk; SHEYN, P.A., prepodavatel'; TRIFONOV, V.I., red.; ROMANOVA, S.F., tekhn. red.

[Economics of the comunication system] Ekonomika sviazi. Moskva, Gos. izd-vo lit-ry po voprosam sviazi i radio, 1961. 279 p.

(MIRA 14:8)

(Communication and traffic)

SHEYN, Pavel Abramovich; SMIRNOV, Ye.I., red.; PONOMAREVA, A.A., tekhn, red.

[Potentials for economizing material resources in industry]
Rezervy ekonomii material'nykh resursov v promyshlennosti.
Moskva, Ekonomizdat, 1963. 119 p. (MIRA 16:7)
(Industrial management)

SHEYN, P.N.

Determining the optimal period for constant gas production and the total number of wells in a gas pool. Gaz. dela 20;3:13-22 163. (MIRA 17:8)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut prirodnogo gaza.

ITIETH IN THE

AUTHORS:

Portnov, K.A., Sheym, S.L.

32-12-7/71

TITLE:

The Application of the Potentiometric Method of Titration When Determining the Free Alkalis in Phenol Solutions and Melts of Aromatic Sulpho-Acids (Primenentye potentsiometricheskogo metoda titrevaniya pri opredelenii svobodnov shchelochi v rastvorakh fenolov i plavakh aromaticheslikh sul'foltislot).

PERIODICAL: Zavodskaya Laboratoriya, 1957, Vol. 23, Nr 42, pp. 1417-1420 (USSR)

ABSTRACT:

In the introduction the importance of the determination of the free alkali in the sclutions is stressed in this paper, as in certain cases this determination is decisive for finishing of the reaction; in other cases certain solutions must not contain a high content of free alkalis. The respective methods developed by Spitsyn and Markus (refractometric methods) and by Largin and Usanovich (with application of platinum electrodes) are referred to in this paper. Examination of the conditions for the potentiometric determination of the free alkali in the welts of monoculphoacids of benzene and naphtalene by titration of the corresponding solution by means of an antimony electrode is the task of this paper. Proceeding from the fact that 3 naphtel and phonol are real acids, it is assumed that the

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H(C.1-m) determination can be carried out by the following formula:

APPROVED FOR RELEASE: 08/09/2001 CIA-RDP86-00513R001549330001-5" The inclination of the Potentiometric Method of Titration When Determining the Free Alkalis in Phenol Solutions and Lette of Amountic Sulpho Acids

32-12-7/71

off $=\frac{1}{2}$ pK. $+\frac{1}{2}$ pK. $+\frac{1}{2}$ lgc. If pK. =9.6, then the value for pH \sim 11.5 is here obtained for naphtolate and, somewhat higher, for phenolate (at pK. =9.9). If therefore a naphtolate—or phenolate—solution is titrated with a free alkali content of up to pH = 11, the free alkali alone is obtained. If it is assumed that the degree of discharge of discharge of discharge of discharge pH = pK. = pH. = pK. = pH. = pH. = pK. = pH. = pK. = pH. = pK. = pH. = pK. = pK. = pH. = pK. =

ASSOCIATION Branch of the Institute for Organic Semifinished Products and Dyes (Filial instituta organicheskikh poluproduktov i krasiteley).

AVAILABLE: Library of Congress

Onr4 2/2

 Phenol solutions-Alkalis determination 2. Titration-Potentiometric method-Application 3. Monosulfoacids-Benzine

VOROZHTSOV, N.N., ml.; SHEYN, S.M.

Interchange reaction of sulfo and hydroxyl groups in aromatic series. Part 1: Study of the exchange kinetics of the sulfo group in the sodium salt of p-naphthalenesulfonic acid and the hydroxyl group. Ukr. khim. zhur. 24 no. 2:208-212 58. (MIRA 11:6)

VOROZHTSOV, N.N., ml.; SHEYN, S.M.

Interchange reaction of sulfo and hydroxyl groups in aromatic series. Part 2:Study of the exchange kinetics of the sulfo group and the hydroxyl group in the sodium salts of 2,6-and 2,7-napthalenedisulfonic acids. Ukr. khim. zhur. 24 no. 2:213-216 158.

(MIRA 11:6)

SHEYN, S.M.; VOROZHTSOV, N.N., ml.

Exchange reaction between a sulfo group and an oxy group in the aromatic series. Part 3: Investigation of the kinetics of the reaction of sodium salts of 2,6- and 2,7-naphtholsulfonic acids with sodium hydroxide solutions. Ukr.khim.zhur. 24 no.5:643-647 '58.

(MIRA 12:1)

1. Nauchno-issledovatel'skiy institut organicheskikh poluproduktov i krasiteley imeni K.Ye. Voroshilova, filial v g. Kubezhnoye.

(Naphtolsulfonic acid) (Sodium hydroxide)

(Chemical reaction, Rate of)

SHEYN, S.M.; VOROZHTSOV, N.N., ml.

Reaction of the substitution of sulfo groups by oxy groups in the aromatic series. Part 4: Investigation of kinetics of the reaction of sodium salt of 1,5-naphtalenedisulfonic acid and 1,5-naphtalenedisulfonic acid with sodium hydroxide solutions. Ukr.khim.zhur. 24 no.6:757-760 158. (MIRA 12:3)

1. Nauchno~issledovatel'skiy institut organicheskikh poluproduktov i krasiteley im. K. Ye. Voroshilova, filial v.g. Rubezhnoye.

(Naphtalenedisulfonic acid) (Sodium hydroxide)

(Chemical reaction, Rate of)

RYKLIS, S.G.; SHEYN, S.M.

Continuous-process condensation of chloral with chlorobenzene. Zhur. prikl.khim. 31 no.7:1114-1118 J1 58. (MIRA 11:9)

1. Kafedra organicheskogo sinteza Kiyevskogo ordena Lenina politekhnicheskogo instituta. (Condensation products (Chemistry)) (Chloral) (Benzene)

SHEYN, S. M., Cand Chem Sci (diss) -- "The exchange of a sulfo group for a hydroxy group in the naphthalene series". Khar'kov, 1959. 14 pp (Min Higher and Inter Spec Educ Ukr SSR, Khar'kov Order of Labor Red Banner State U im A. M. Gor'kiy), 150 copies (KL, No 10, 1960, 126)

sov/64-59-3-8/24

5(1) AUTHORS:

Plakidin, Vl. L., Sheyn, S. M.

TITLE:

Reactions of Sodium Salts of the \(\beta \) -Naphthalene-sulphonic Acid With a Solution of Caustic Soda (Vzaimodeystviye natriyevoy soli beta-naftalinsul'fokisloty s rastvorom yedkogo

natra)

PERIODICAL:

Khimicheskaya promyshlennost', 1959, Nr 3, pp 32 - 34 (USSR)

ABSTRACT:

The reaction mentioned in the title is of special importance for developing a continuous method of producing β -naphthol (I). Since publication data in this connection are very insufficient (Refs 1-5) the kinetics of this reaction was examined which took place between a 99.5% sodium- β -naphthalene sulfonate (II) and NaOH solutions with concentrations of 20,30, and 40%, at temperatures of 300-390° (and the corresponding atmospheric pressures of 100-200). The influence of the NaOH

and the admixtures of Na_2SO_4 and Na_2CO_3 to pure (II) was also examined. The reaction was carried out in a 45 liter autoclave according to a method already described (Ref 6). A diagram (Fig 1) shows that the output of (I) rises to a maximum at

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Reactions of Sodium Salts of the \(\begin{aligned} \text{S-Naphthalene-sulphonic SOV/64-59-3-8/24} \)
Acid With a Solution of Caustic Soda

temperatures above 340° and then decreases indicating a counterreaction (transformation of (I) into other products). Up to a certain degree of the transformation, a linear function of the (I) output of the NaOH concentration can be observed (Fig 5). An increase of the NaOH excess leads to an increase of the (I) output, and the output with an excess of 10% and a reaction time of 30-40 minutes amounts to 90-92% and to 94-95% in case of a 75% excess. Na₂SO₄ and Na₂CO₃ added to (II) in amounts of 5-8% do not effect the output or quality of the product. There are 5 figures and 6 references, 2 of which are Soviet.

Card 2/2

VOROZHTSOV, N.N., mladshiy; SHEYN, S.M.

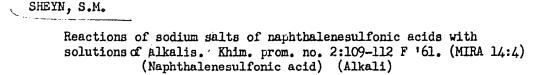
Exchange of a sulfonic group for a hydroxy group in the aromatic series. Part 5: Kinetics of the reactions between a sodium hydroxide solution and the sodium salts of 1-naphthalenesulfonic acid and 2-methyl-6-naphthalenesulfonic acid. Ukr. khim. zhur. 26 no.3:341-346 60.

Nauchno-issledovatel skiy institut organicheskikh poluproduktov i krasiteley, filial v g.Rubezhnom.
 (Naphthalenesulfonic acid) (Sodium hydroxide)

VOROZHTSOV, N.N.; SHEYN, S.M.

Reaction involving the exchange of a sulfo-group for a hydroxyl group in the aromatic series. Part 6: Cleavage of A-naphthol in the course of the alkaline fusion of sodium A-naphthalenesulfonic acid. Ukr. khim. zhur. 26 no.4:490-495 160. (MIRA 13:9)

 Nauchno-issledovatel'skiy institut organicheskikh poluproduktov i krasiteley im. K.Ye. Voroshilova, filial v g.Rubezhnom. (Napthol) (Napthalenesulfonic acid)



BEKHER, P.N.; KOGANOVSKIY, A.M.; KRAYUKHINA, N.N.; MYSHKINA, N.P.; TARAN, P.N.; TROYANOV, I.A.; SHEYN, S.M.

Adsorption removal of aromatic compounds from the waste waters of aniline dye production. Ukr. khim. zhur. 27 no.2:268-273 '61.

(MIRA 14:3)

1. Institut obshchey i neorganicheskoy khimii AN USSR i Rubezhanskiy filial Nauchno-issledovatel'skogo instituta organicheskikh poluprodyktov i krasiteley.

(Salyage(Waste, etc.))

(Aromatic compounds)

TROYANOV, I.A.; SHEYN, S.M.; IGNATOV, V.A.

Preparation of 2,4,5-trichlorophenol by the saponification of 1, 2, 4,5-tetrachlorobenzene in a methyl alchol medium. Khim. prom. no.3:213-214 Mr '61.

(Phenol) (Benzene)

(MIRA 14:3)

GERASIMENKO, Yu.Ye.; SHEYN, S.M.; BAKULINA, G.G.; CHEREPIVSKAYA, A.P.; SEMENYUK, G.V.; YAGUPOL'SKIY, L.M.

Thioindigoid dyes. Part 9: Thioindigoid dyes containing fluorine. Zhur.ob.khim. 32 no.6:1870-1874 Je '62. (MIRA 15:6) (Thioindigo)

SHEYN, S.M.; IGNATOV, V.A.

Nucleophilic substitution in the aromatic series. Part 1:
Mechanism of the interaction of 1,2,4,5-tetrachlorobenzene
with sodium methylate in anhydrous and aqueous methyl
alcohol. Zhur.ob.khim. 32 no.10:3220-3222 0 '62.(MIRA 15:11)
(Benzene)
(Sodium alcoholates)

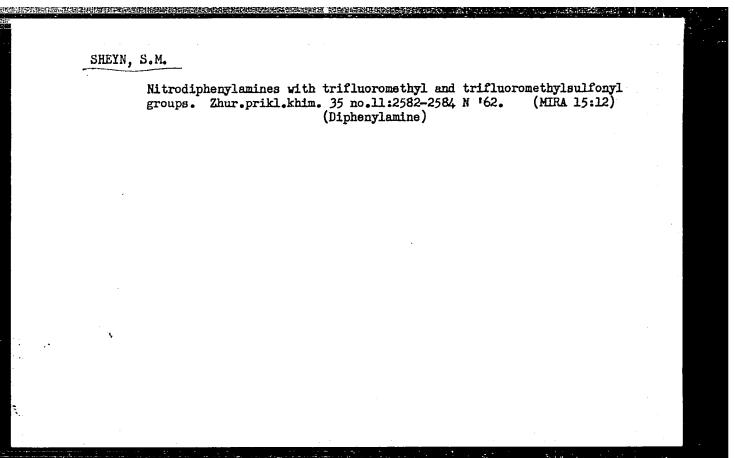
SHEYN, S.M.; IGNATOV, V.A.

Nucleophilic substitution in the aromatic series. Part 2: Kinetics of the reaction of 1,2,4,5-tetrachlorobenzene with natrium methylate in anhydrous methyl alcohol.

Zhur.ob.khim. 32 no.10:3223-227 0 '62. (MIRA 15:11)

(Benzene)

(Sodium alcoholates)



DOKUNIKHIN, N.S.; SHEYN, S.M.; BOGUSLAVSKAYA, I.L.

Interaction of 1,4- and 2,3-fluorochloroanthraquinones with a solution of ammonia. Zhur. VKHO 8 no.5:594-595 '63. (MIRA 17:1)

1. Nauchno-issledovatel'skiy institut organicheskikh poluproduktov i krasiteley.

SHEYN, S.M.; GOLOMB, L.M.; KARPOV, V.V.

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Dyeing properties of derivatives of nitrodiphenylamine containing trifluoromethyl and trifluoromethylsulfonyl groups. Ukr. khim. zhur. 29 no.7:738-740 '63. (MIRA 16:8)

1. Nauchno-issledovatel'skiy institut organicheskikh poluproduktov i krasiteley, filial v g. Rubezhnoye.

(Diphenylamine) (Dyes and dyeing)

SHEYN, S.M.; IGNATOV, V.A.

AND THE RESIDENCE AND AND THE PROPERTY OF THE

Nucleophilic substitution in the aromatic series. Part 3: Kinetics and mechanism of the reaction of 1,2,4,5-tetra-chlorobenzene with sodium ethylate in anhydrous alcohol. Zhur. ob. khim. 33 no.8:2645-2650 Ag '63.

Nucleophilic substitution in the aromatic series. Part 4: Kinetics and mechanism of the reaction of 1,2,4,5-tetra-chlorobenzene with sodium alcoholates in an alcohol medium. 2667-2672

Nucleophilic substitution in the aromatic series. Part 5: Kinetics of the reaction of 1,2,4,5-tetrachlorobenzene with sodium alcoholates in a water-alcohol medium, 2690-2697 (MIRA 16:11)

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DOKUNIKHIN, N.S.; SHEYN, S.M.; BOGUSLAVSKAYA, I.L.

Derivatives of anthraquinone. Part 4: Color and structure of 1-amino-2-benzoylanthraquinone and 7,8-phthaloylacridone derivatives. Zhur. ob. khim. 34 no. 5:1565-1569 My '64. (MIRA 17:7)

1. Nauchno-issledovatel'skiy institut promezhutechnykh produktov i krasiteley, Rubezhanskiy filial.

SHEYN, S.M.; KRASNOSEL'SKAYA, M.I.

Nucleophilic substitution in the aromatic series. Part 6: Mechanism of interaction of 2-chloro-1,4-bis(trifluoromethyl)benzene with alcoholates in alcohol medium. Zhur. ob. khim. 34 no.10:3385-3389 0 164. (MIRA 17:11)

1. Nauchno-issledovatel'skiy institut organicheskikh poluproduktov i krasiteley, filial v g. Rubezhnoye.

SHEAR 2.11.) HOROREZ, L.H.

Reservice of S-iltreol. reclearing with the emergine relation. Ukr.

Rine. Zuer. No no.121312-1331, 164 (MFA 1612)

1. Rite-menskly fitted Hearing-Ladebrate burge Analisate organic betalk polagradult of hearingles.

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(MEE. 18:3)

L. Eubennanskiy fillar Engelbreatel'skogs institute organicheskikh pointy luktor f Amelterey.

VAGUEOLISKIY, L.M.; SHEYN, S.M.; KRESHOSELISK VA, M.I., SOLOPUSHANKOV, S.N.

New method for the preparation of 2-amino-4-trifluoromethythemzoic acii. Shur. eb. knim. 35 no.7:1261-1263 J1 165.

(MIRA 13:8)

KRASNOSELISKIY, V.N., BODDYVUSYTT, I.M., SHEYN, S.M., GALINKFR, I.S.

RANDERS NEW TONING TO THE PROPERTY OF THE PROP

Conductometric analysis method for the control of alkali melting of the salts of aromatic sulfo acids. Khim, prom. 41 no.5:384-385 My 165. (MIRA 18:6)

1. Rubezhanskiy filial Nauchno-issledovatel skogo instituta organicheskikh poluproduktov i krasiteley.

Ed. Recember of contacted by bound chiefly by the amine group, or to 10: Reaction rice side of ortho-unbordenzourifluoride, both order, 4-bis-(urifluoremethyl)-benzone, and to rice-1,2-bis-(trifluoremethyl)-benzone with an aqueous colution of amonia. Ezv. 60 All SUER no.7 Ser. khim. nauk no.2:85-89 165. (MERA 18:12)

1. Novosibirskiy institut organisheskoy rtimi; Sibirskogo twisleniya AN SISR. Subilited Jone 23, 1964.

IGNATOV, V.A.; SHEYN, S.M.

Nucleophilic substitute in the aromatic series. Part 8; Kinevics of decomposition of aniscle and its chloro derivatives by sodium methylate in an alcohol medium. Thur. erg. khim. 1 no.11:1951-1955 N 165. (EIEA 18:12)

i. Novosibirskiy institut organicheskoy khimii Sibirakogo otdeleniya AN SSSR. Submitted October 21, 1964.

SHEYN, S.M.; KRASNOSEL'SKAYA, M.I.

Symbolis of 4-substituted 1,3-bis-(trifluoromethylsulfonyl)bennease, Thur. VKHO 10 no.5:592 '65.

(MIRA 18:11)

L. Noveelbirskiy institut organicheskoy khimit Sibirskogo

1. Novosíbirskiy institut organicheskoy khimii Sibirskogo otdeleniya AN SSSR, i Rubezhanskiy filial Nauchno-issledovateliskogo instituta organicheskikh poluproduktov i krasiteley.

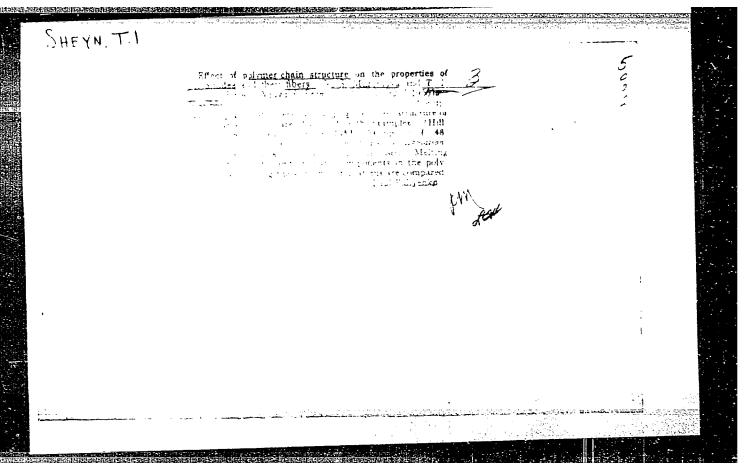
DOKUNIKHIN, N.S., SHEYN, S.M., BOGUSIAVSKAYA, I.L.

Preparation of 1-amino-2-aroyl-4-aryl aminoanthraquinones. Zhur. VKHO 10 no.5:595-597 65.

(MIRA 18:11)

1. Nauchno-issledovateliskiy institut organicheskikh poluproduktov i krasiteley, filial v gorode Rubezhnoye.

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STREPIKHEYMV, A.A.; TOPCHIBASHEVA, V.N.; SHEYN, T.I.

A new pelyamide fiber, enant. Tekst.prem.16 no.1:33-34 Ja '56.
(Nylen)

(MIRA 9:4)

GREYN, T. J., TAPCHITASHEVA, V. H., GARBACHEVA, V. S., PAYNBERG, E. S., MIKHAYLOV, N. V.

"Thermodynamic studies of the molecular structure of synthetic polyamides," a paper presented at the 9th Congress on the Chemistry and Physics of High Polymers, 20 Jan-2 Feb 57, Moscow, Fiber Research Inst.

B-3,084,395

AUTHORS:

Kudryætsev, G. I., Sheyn, T. I.,

64-58-3-8/20

Batik'yan, B. A.

TITLE:

The New Polyamide Type Fiber "Kapronant" (Novoye volokno

poliamidnogo tipa "kapronant")

PERIODICAL:

Khimicheskaya Promyshlennost', 1958, Nr 3, pp 29-32 (USSR)

ABSTRACT:

The collectives of the Institute for Element-Organic Compounds of the Academy of Sciences, USSR, of the GIAP, and of the Moscow Electrolysis Works developed an industrial method of synthesizing amino-enanthic acid and other higher amidocarbonic acids, thus causing an increase of the raw material basis for the production of polyamide fibers. The present paper describes investigations of copolymers on the basis of amino-enanthic acid and capro-lactam in different properties of weight; the experimental investigations were made in co-operation with L.N. Vlasova. The investigations were made in open ampoules, in nitrogen atmosphere at 2600 and in 6 hours. The specific weight of the copolymers thus obtained varied from 0.75 to 0.78. Graphical representations of the change in the content of compounds of low molecular weight, of the fusing temperature and

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of the solubility are given as a function of the component ratio. The results given here show among other facts that the fusing point curve with a 50:50 aminoenanthic acid - capro-lactam ration has a minimum at 1420, and that in this range copolymers can be obtained which can be used for adhesives, varnishes and so on The copolymers which are interesting for the production of fibers are referred to as "kapronant" and has a higher fusing point and a greater stability in boiling water. The obtained data of their properties are given in tabular form. As the fibers agglutinated when spun they were greased with the anhydrous preparations BV T-1. The obtained fiber is similar to other polyamide fibers as to its properties but shows a greater resistance against multiple deformation and is soft. There are 3 figures, 2 tables, and 5 references, 2 of which are Soviet.

- 1. Amidocarbonic acids--Synthesis 2. Polymers--Analysis
- 3. Synthetic fibers--Production 4. Synthetic fibers--Properties

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